Anton Kostyukov

List of Publications by Year
in descending order

19	269	840776 11	940533 16
papers	citations	h-index	g-index

19	19	19	176
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Catalytic activity of laser-synthesized CrOx/Al2O3 nanocatalysts with different particle sizes in isobutane dehydrogenation. Journal of Nanoparticle Research, 2022, 24, .	1.9	4
2	Synthesis, structure and photoluminescent properties of Eu:Gd2O3 nanophosphor synthesized by cw CO2 laser vaporization. Journal of Luminescence, 2021, 235, 118050.	3.1	13
3	Synthesis, structure and optical properties of the laser synthesized Al2O3 nanopowders depending on the crystallite size and vaporization atmosphere. Advanced Powder Technology, 2021, 32, 2733-2742.	4.1	14
4	Optical properties of composites based on polyethylene and monoclinic Y2O3:Eu3+ nanoparticles. Materials Chemistry and Physics, 2021, 273, 125140.	4.0	11
5	Shaping the photoluminescence spectrum of ZrO2:Eu3+ phosphor in dependence on the Eu concentration. Optical Materials, 2021, 121, 111620.	3.6	8
6	Size-dependent photoluminescence of europium in alumina nanoparticles synthesized by cw CO2 laser vaporization. Journal of Alloys and Compounds, 2020, 815, 152476.	5.5	14
7	Luminescent properties of Al2O3:Tb3+ nanoparticles obtained by cw CO2 laser vaporization. Optical Materials, 2020, 110, 110508.	3.6	6
8	Laser vaporized CrOx/Al2O3 nanopowders as a catalyst for isobutane dehydrogenation. Materials Characterization, 2020, 169, 110664.	4.4	12
9	New Insight into Titaniumâ€“Magnesium Zieglerâ€“Natta Catalysts Using Photoluminescence Spectroscopy. Applied Spectroscopy, 2020, 74, 1209-1218.	2.2	3
10	Luminescence of monoclinic Y2O3:Eu nanophosphor produced via laser vaporization. Optical Materials, 2020, 104, 109843.	3.6	19
11	Laser-induced damage threshold of the nonlinear crystals BaGa₄Se₇ and BaGa₂GeSe₆ at 2091â€‰â€‰nm in the nanosecond regime. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 2655.	2.1	12
12	Photoluminescence of surface chromium centers in the Cr/Al2O3 system that is active in isobutane dehydrogenation. Materials Chemistry and Physics, 2019, 234, 403-410.	4.0	11
13	Laser-induced damage threshold of BaGa₄Se₇and BaGa₂GeSe₆nonlinear crystals at 1053â€‰â€‰Î¼m. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 2260.	2.1	14
14	Photoluminescence of oxygen vacancies in nanostructured Al2O3. Optical Materials, 2018, 75, 757-763.	3.6	32
15	Luminescent probing of the simplest chiral Î±â€amino acidâ€“alanine in an enantiopure and racemic state. Chirality, 2017, 29, 332-339.	2.6	0
16	Photoluminescence and Raman spectroscopy studies of low-temperature Î³-Al2O3 phases synthesized from different precursors. Optical Materials, 2016, 53, 87-93.	3.6	37
17	Photoluminescence of Cr³⁺ in nanostructured Al₂O₃ synthesized by evaporation using a continuous wave CO₂ laser. RSC Advances, 2016, 6, 2072-2078.	3.6	23
18	Local structure of low-temperature Î³-Al₂O₃ phases as determined by the luminescence of Cr³⁺ and Fe³⁺. RSC Advances, 2015, 5, 5686-5694.	3.6	26

#	Article	IF	Citations
19	Photoluminescence properties of microspherical alumina-chromium catalyst. Inorganic Materials: Applied Research, 2014, 5, 476-481.	0.5	10